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BULLETIN OF THE GEORGIA ACADEMY OF SCIENCE

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President, Dr. W. B. Redmond.
Vice-President, Dr. Tomlinson Fort.
Secretary-Treasurer, Dr. A. S. Edwards.
Historian, Dr. R. C. Rhodes.

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EX-OFFICIO MEMBERS

The officers.

Message of the President:

THE TWENTY-FIFTH ANNIVERSARY MEETING

The Georgia Academy of Science is twenty five years old. At such periods in the activities of organizations it is frequently customary for the members of the organization to take stock and review past accomplishments, or to make plans for renewed activity, or both. In looking back over the past twenty-five years the Georgia Academy of Science can justly be proud of the progress that has been made. A small group of twenty people, who were vitally interested in the development of science in Georgia, and in the contributions which science could make to the development of Georgia, organized into a society for the purpose of mutual aid. In twenty-five years the membership has increased to 225. However, the development of outstanding departments in our colleges and universities, the training of scientists for participation in such important projects as that of the development of atomic energy, the establishment of scientific methods in agriculture and husbandry, the organization and institution of public health measures, and the contributions to the culture and enlightenment of the people of the state and nation are attainments which cannot be evaluated.

The officers and members of the executive council are of the opinion that the program of the twenty fifth* anniversary should be threefold in purpose. First, it should be in honor of those who were instrumental in organizing the Georgia Academy of Science. Effort will be made to have present at the anniversary meeting all living charter

*The meeting to be held in 1948 will be the 25th annual meeting, as no annual meeting was held in 1945.

members and all past presidents of the Academy.

Second, the program committee is endeavoring to obtain a group of scientific papers that will make the anniversary meeting the best meeting in the history of the Academy. Reports of research and observations from every field of science represented in the Academy will be included in the program. A committee with at least one representative from each branch of interest is responsible for obtaining the papers for this program. Should the number of papers submitted be sufficiently large, two or more sections will be scheduled. Any member who has material of interest to others is urged to present it to the program committee.

The third feature of the program is planned as a means of bringing to the attention of the various leaders in Georgia the possibilities for cooperation and service embodied in the Academy, and equally as important, to awaken members and potential members of the Academy to the need for their participation in many political, educational, economic and social affairs of the state. Many scientists in Georgia are not members of the Academy, but could likely be interested if the Academy had an active program of service. Nonscientific business men are generally interested in, and willing to finance worthwhile programs once such programs are outlined and launched by able men. No list of such projects would be complete for any one period of time. Changes are continually taking place bringing forth more pressing needs for service. Only one of the most outstanding projects, the Junior Academy of Science, will be mentioned here. The committee headed by Mr. A. V. McLendon, has done an excellent job in initiating and organizing the Junior Academy. A beginning has barely been made. Interested people and funds are badly needed in order to continue and to expand this work. Both are present in the state, but sufficient impetus is lacking to form the team and get both parts working together. Other needs are just as pressing. The Georgia Academy of Science has a gargantuan task confronting it. Every scientist can and should take part in it.

One of the needs of the Academy is the stimulation of interest in the activities of the organization such that every scientist would desire to become affiliated. Under the present constitution, which does not give a member a vote in the Academy unless he is a fellow, there is frequently little incentive on the part of a member who is not a fellow to take an active interest in the Academy. The members of the present executive council are of the opinion that an organization run on a more democratic basis would undoubtedly be more effective in promoting the interest of science in our state. The

president was authorized by the council to appoint a committee for the purpose of making a study of the present classification of membership and its effect on the activities of the Academy. This committee was appointed and has submitted the report given below.

W. B. Redmond.

REPORT OF THE SECRETARY

The present issue of the bulletin calls attention especially to President Redmond's statement in connection with the 25th Anniversary meeting of the Academy. This is of special interest and although the Academy has come a long way since its small beginnings, it has much to do to become an Academy such as many of its members desire. It should be more fully representative of the scientific workers and of those interested in science in Georgia. There is much interest in changing some of the details of the constitution, especially, with regard to membership. The report of the committee on the present status and classification of membership and the proposal of the committee are included below for your information. It is hoped that all members of the Academy will consider the needs of the Academy and the ways it can be made to serve science in Georgia much more adequately than it has in the past.

There have been no recent applications for research funds from the Academy Treasury. Members are advised that there are small amounts both from the funds of the Academy and from the grants of the AAAS which are available. Applications with full information may be made through the Secretary.

It is with great regret that we have received resignation of Mr. Alvin L. McLendon as Chairman of the Committee on the Junior Academy. The demands of his work have made it necessary for him to request the appointment of another chairman. We have all been grateful to Mr. McLendon for his excellent and untiring efforts in the organization of the Junior Academy and in his leadership in carrying it on to the present time. It was especially through his efforts that the first and very satisfactory program of the Junior Academy took place in connection with the regular Academy meeting of 1947.

At the last meeting of the Executive Council held at Emory University November 18, 1947, Dr. Rhodes made a report for the Committee on Membership of which Dr. Quayle was Chairman. The report is printed below for your information.

Dr. Martin reported for the Committee on Affiliation. This report which suggests changes in the by-laws is also printed below for your information.

The place for the April, 1948 meeting was considered and the

Executive Committee was empowered to make the final decision. Invitations have been received from the General Oglethorpe Hotel at Savannah, from LaGrange College, and from the University of Georgia.

Attention is called to the statement of Dr. Fort in connection with the meeting at the University of Georgia of the American Mathematical Society and Mathematical Association of America. All members of the Academy and those interested in the meeting are cordially invited to attend.

A.S.E.

"The Findings of the Committee Appointed to Consider the Present Status and Classification of the Membership of the Academy are as follows:

1. The reasons which at one time may have made it advisable to have two classes of membership no longer seem to apply.

2. The present regulations regarding the election to fellowship tends toward the inadequate recognition of non fellows and in turn leads to a smaller number of members (fellows) being responsible for the government and affairs of the academy.

3. Members who are not fellows, as a result, have shown too little interest in the meetings and programs. This failure to manifest interest results in turn in a vicious circle, a normal number of members not being elected to fellowship.

4. Scientists have shown very little interest in becoming members and paying dues in an organization in which they were not allowed to vote or have any part in the government of the organization.

The committee proposes that:

The fellowship status be discontinued. All present fellows and members as of (date) be designated simply as members and have the same status from this date in all particulars; from this date the Academy to have one class and one class only of membership.

Osborne R. Quayle, Chairman for the Committee:
R. C. Rhodes
R. A. Woodbury*
O. R. Quayle

"Further authorization has been made by the council that this, or another committee be requested to study the needs of the Academy in the light of this report and make recommendations for the revision of the section of the constitution on membership to be presented to the next annual meeting. Should this proposed change in the status of the members be authorized by a vote of the present fellows the membership can be expected to be doubled within the next year or two. New members will add interest to the Academy, new interests which in turn will result in more active participation of the Academy

*Dr. Woodbury having left the state was unable to serve.

in all phases of development of the state."

Dr. Martin reported for the Committee on Affiliation, and presented the following suggested by-law:

"Article . . . .

1. Affiliation of national organizations, regional organizations, state organizations and local organizations with the Georgia Academy of Science is hereby authorized when approved by a two-thirds vote of the members present at any annual meeting provided the petition for affiliation has been presented to the Executive Council at least one year prior to final action.

2. The conditions under which affiliation may be approved and permitted are the following:

   a. The Georgia Academy of Science shall not assume by virtue of the affiliation any responsibility for the financial affairs of the affiliated organizations.

   b. Each affiliated organization shall determine its own membership requirements and form of organization, except that some principal officer of the affiliated organization shall be a member of the Georgia Academy of Science.

   c. Responsibility for scientific programs rests with the affiliated organization except that when meeting at the same time and place as the Georgia Academy of Science the affiliated organization program must be co-ordinated with that of the Georgia Academy through arrangements between the program committees.

Note: Some such idea as the following might be incorporated in the provision—provided it appears to the Council of the Academy that some advantage in the direction of furthering scientific fellowship, encouraging additional scientific activity, or mutual strengthening of the organization involved may be indicated.

A motion was made, seconded and carried that the report be accepted and turned over to the Committee on the Revision of the Constitution."

The Georgia Psychological Association, the first to plan affiliation with the Academy, held a regular meeting Saturday, December 6th at Emory University.

The Georgia Psychological Association has completed affiliation with the American Psychological Association and is incorporated in the State of Georgia.

The meeting on December 6th

began at 9:30 at the Church School Building of Emory University with a series of papers and at 11:15 Motion Pictures showing psychological films and in the afternoon a symposium on guidance and personnel problems.

The American Mathematical Society and the Mathematical Association of America will hold their annual meetings at the University of Georgia, December 29th, 1947 to January 1, 1948 inclusive.

The American Mathematical Society is an organization which devotes itself to advanced mathematical research. The Mathematical Association of America concerns itself with the collegiate field.

The meetings of the Society will be on December 29th, 30th, 31st, and the meetings of the Association on January 1st. Membership in the two organizations is overlapping and most mathematicians who are in attendance will be present at all meetings. Some five to seven hundred persons are expected. Members of the Georgia Academy of Sciences are invited by both organizations and by the University of Georgia to attend any or all sessions. Membership in the organizations is not essential. There is one lecture called the Gibbs Lecture in honor of Willard Gibbs which is designed to show the importance of mathematics through its applications. The lecture is to be on a plane which does not require a great deal of technical advanced mathematics. It is for those scientists who are not mathematicians but who are interested in mathematical processes. This year, the Gibbs Lecture will be given by Professor P. M. Morse, professor of Physics at Massachusetts Institute of Technology. The title of his address will be "Operational Research." The Gibbs Lecture will be held in the auditorium of Conner Hall on the campus of the College of Agriculture at the University of Georgia at 8:00 p. m. on December 29th. It is hoped that many members of the Academy will hear Professor Morse. Among other distinguished invited lecturers will be Professor E. F. Beckenbach of the University of California, Professor Julian Schwinger of Harvard University and Professor T. H. Hildebrandt of the University of Michigan. About one hundred and fifty research papers are expected.

A dinner for visiting mathematicians and their friends will be held in Snelling Hall on the evening of December 31st. Members of the Academy are invited to this dinner. There will be a charge of one dollar and fifty cents ($1.50) per person and reservations should be made with Professor Tomlinson Fort of the University of Georgia before December 18th.

Tomlinson Fort

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